

ABSTRACT OF THE DISCLOSURE

A nonlinearity detection system and method for an analog to digital converter (ADC) includes a triangular wave generator that generates a triangular wave that is output to the ADC. A differentiator module communicates with the ADC and generates an output signal that is based on an output of the ADC and a delayed output of the ADC. A nonlinearity detection module detects slope discontinuities in the output signal of the differentiator module.